### Aim

Create a DataFrame with random values and style it with a black background and yellow font.

# **Algorithm**

- 1. Import necessary libraries
- 2. Create a DataFrame with random values
- 3. Define a styling function
- 4. Apply the styling function to the DataFrame
- 5. Display the styled DataFrame

#### Code

```
import pandas as pd
import numpy as np

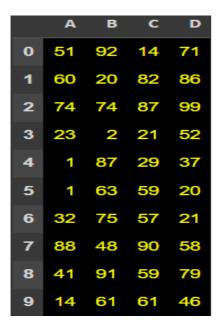
np.random.seed(42)

df = pd.DataFrame(np.random.randint(0, 100, size=(10, 4)), columns=['A', 'B', 'C', 'D'])

def style_df(val):
    return 'background-color: black; color: yellow'

styled_df = df.style.applymap(style_df)
styled_df
```

## Output



## Result

A 10x4 DataFrame with random values is created and styled with a black background and yellow font using Pandas.